GAVRILOV, Anatoliy Nikolayevich, ed.

Sovremennoye sostoyaniye i naprovleniya razvitiya tekhnologii mashinostroyeniya i priborostroyeniya. Moskva, Mashgiz, 1960.

563 p. ilus., diagrs., graphs, tables.
Includes bibiographies.

1 7		Card s/6	Calculation	Erucior, A.	Europerko,	In the Man	acte rate somidate contidate	Chernysber The Cruseint	Transduces	Options, M.	Typhodiae	Oproscopi.	derailer	Decree .	Const		Friboro	•		ı
		Management, 15d., Engineer, 1 Brusing of Parts is Entrement Card 5/6	relation for Accuracy in the Machining of Semily-Medicals of the Calculation for Accuracy in the Machining of Semily-Medicals Characteristics.	Eruglov, A.S., Ergineer,	Eumperio, V. D., Engineer,	and the series wouldn't of relational Sciences, 7.7, Eclober, Regiment, and the Manufacturery, Englanet. Some Mays of Enduring Labor Consumption in the Manufacture of Dies for Cold Preservicing in Instrument Manufacturery Seminary Production 1.00, Regiment. Cold Preservicing of Manufacture Seminary Production.	Berriary A.B., Deser of reimital Sciences, Professor, A.S., Despoy, Condidate of Frinciscal Sciences, and B.A., Robbins, Condidate of Probability Condidate of Sciences, Lorentzing the Accuracy of Machining on Astonation and Midming Their Field of Application	Chemysher, A.T., Engleser. Application of Program Control in	transferent of Mechanical Values and Their Application	Ophing, M.A., Candidate of Technical Sciences. Conditions for Imprimital the Stability of Magnetoelectric Lestraments Goodhamatte, L.A., Candidate.	Tythodtery, S.A., Cuddda'n of Technical Sciences. Estimating The Machines of Sections in Scali-bothle Spir George, Used in Serv Systems	Cardidate of La Triction Cyroscopic Latromesta	wall the 23 actions deal with the present state of settlement of intrinser assuments we wanted the settlement of settlement features of settlement state of settlement of	personnel in the instrument industry.	i A.S. Gerrilor, Deter of Technical Balences, Pofresor; Tech, Ed.; A. Te. Tizzer; Manging Ed. for Literature on Machine and Lattument Construction (Mangin): S.T. Pohtoventy, Engineer.	Measurement to the total teleptore teleptore (Centrement Measurement and),000 ceptes printed,	fiborostromenia i			
		'a Recept Developments Wit Manufacture	the Machining	Methods of Calibrating		for Cold Freezy	Technical Septences, and Butteres, and Butte	beer, Application of Program C	Values and T	Authorited Se	h in Smil-)jod	Cardidate of Twintest Selectors. Effect of Friction Number of Sall Bearings Cord in Comments	the deal with the plant and according to open a security to prove application of he working of metals, bridge the use of a metals are proportional as personalities are a personalities are a proportional as personalities are a personalities.	on of article	Mar of Technical St. T. Tok	on) Monton, Ma t	of properties to	PASE I 300	4.34	
٠		lepaers in the	of Small-Kod	brating Profit	Use of Vitrasonies is testiment than	"stinited Sciences, T.J. Elobor, Regine. " Brow Mays of Beinning Labor Consumption Cold Preservation in Environment Natural Cold Preservating of Media in Small-Law Cold Preservating of Media in Small-Law Cold Preservating	thoughton, C. Language of Machine Application	of Program C	els Application	tences. Condi	d Sciences.	Selevers. Re Dearings Used	the present state the present state the of instrument o problems of mack of the techniques hals. The third s as of ultrasonics and measurement to have mentioned. B	is intended :	Literature on Diversity, Ecgin	ekhaika (Zeatz ekęde, 1960.	pribarestraississy promyshiemosti	PLASE I DOOR ECPLOSCATION		
•	•	in the Technology of	motals of the	Profilometer Scales		diober, Eggs. aber Cousem;; strument Manual	or, A. S. Burnson militaria of ming on Anno-	ontrol is	Electronic	ttone for	fetimeting	In the state of	the and the or twent we disting arouse are disting arouseling and ar- was in progress on the end radio (as). It whilely are a beforences and	for meiestific	Professor; Te Machine and I	With the Berna	'soy promyable	ect/vior		
		212	g	3 2		190	je B		Æ	5	e :	4	and the outlook for the workings. Bey problems are discussed in the first time and mechanisation of order of the deals with new time deals with new time deals with new time deals with the deals with th	and technica	ch. E4.; satrument	are and	Li Bodzu			. (
	. ©		1	. ;	i				•				for the roblems in the first tition of the first form. Some	-		ř		1		

GAVRILOV, A.N., prof., doktor tekhn.nauk; DEM TANYUK, F.S., prof., doktor tekhn.nauk; MITROFANOV, S.P., kand.tekhn.nauk; KORSAKOV, V.S., prof., doktor tekhn.nauk; IVANOV, D.P., doktor tekhn.nauk; STO-ROZHEV, M.V., kend.tekhn.nauk; MALOV, A.N., kend.tekhn.nauk; KUDRYAVTSEV, I.V., prof., doktor tekhn.nauk; SHNEYDER, Yu.G., kand.tekhn.neuk; SHUKHOV, Yu.V., dotsent; KAZAKOV, N.F., kend. tekhn.nauk; ZOLOTYKH, B.N., kand.tekhn.nauk; ROZENBERG, L.D., prof., doktor tekhn.nauk; YAKHIMOVICH, D.Ya., inzh.; NIKOLAYEV, G.A., prof., doktor tekhn.nauk; VIADZIYEVSKIY, A.P., doktor tekhn. nauk; SHAUMYAN, G.A., prof., doktor tekhn.nauk; KOSHKIN, L.N., kand.tekhn.nauk; BOBROV, V.P., kand.tekhn.nauk; NOVIKOV, M.P., kand.tekhn.nauk; VIKHMAN, V.S., kand.tekhn.nauk; DERBISHER, A.V., kand.tekhn.nauk; KLIMENKO, K.I., prof., doktor ekonom.nauk; VYATKIN, A.Ye., inzh.; SATEL', E.A., prof., doktor tekhn.nauk; FOFANOV, I.G., inzh.; MATVEYENKO, V.V., inzh.; KOCHETOVA, G.F., inzh., red.izd-va; EL'KIND, V.D., tekhn.red.; TIKHANOV, A.Ya., tekhn.red.

[Present status and trends of future development of technological processes in the manufacture of machinery and instruments] Sovremennoe sostoianie i napravleniia razvitiia tekhnologii mashinostroeniia i priborostroeniia. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 563 p. (MIRA 13:7) (Machinery industry--Technological innovations) (Automation)

S/115/60/000/06/28/031 B007/B014

AUTHORS:

Arutyunov, V. O., Gavrilov, A. N.

TITLE:

International Scientific and Technical Conference on Measuring Technique and Instrument Construction (IMEKO) in 1961

PERIODICAL:

Izmeritel'naya tekhnika, 1960, No. 6, pp. 61-62

TEXT: The First International Scientific and Technical Conference on Measuring Technique and Instrument Construction (IMEKO) was held in Budapest in November, 1958. It was organized by the Hungarian Scientific Society of Measuring Technique and Automation (MATE), the Polish Scientific and Technical Society (NOT), and the NTO Priborprom SSSR (NTO Priborprom USSR). It was attended by delegates from 18 countries. The Soviet delegation delivered 16 lectures out of 150. The proceedings of the Conference were published in "Acta IMEKO" (five volumes). At the end of 1959, more than 15 countries joined the International Organizing Committee, which held a meeting in Budapest from February 10 to 14, 1960, at which its composition was approved: representatives of Britain, Belgium, Bulgaria,

Card 1/3

International Scientific and Technical Conference on Measuring Technique and Instrument Construction (IMEKO) in 1961

S/115/60/000/06/28/031 B007/B014

Hungary, Eastern Germany, Denmark, Italy, Red China, Poland, Roumania, USSR, Czechoslovakia, and Sweden. The representatives of Austria, Albania, India, USA, France, German Federal Republic, and Yugoslavia are present at the Committee, but without a vote. At the suggestion of the Hungarian Society MATE, the Conference will take place in Budapest from June 15 to July 15, 1961. The following program was drawn up; The most important general lectures, lectures on important problems of measuring technique and instrument construction, and summarizing reports will be delivered at the Plenary Meetings. Lectures of general interest will be held at the Section of Calculation and Construction of Instruments, at the Section of Technology and Organization of Production, and at the Section of Electronic Devices. The work of the Section of Secondary Problems in Measuring Technique and Automation will be prepared in cooperation with the Technical Committee of the IFAC (International Federation of Automatic Control). The other seven sections will discuss instruments and techniques for the measurement of geometrical and mechanical quantities, time and frequency, heat-engineering quantities, ionizing radiation, instruments and techniques for physicochemical, electrical, magnetic, and radictechnical measurements.

Card 2/3

International Scientific and Technical Conference on Measuring Technique and Instrument Construction (IMEKO) in 1961

S/115/60/000/06/28/031 B007/B014

Languages at this Conference: English, German, Russian, and French. The lectures should be submitted in at least two languages (in duplicate). The lectures of Soviet scientists and engineers should be submitted to the District and Republic Administrations of NTO Priborprom. A Sovetskiy komitet IMEKO (Soviet Committee IMEKO) was established by the Presidium of NTO Priborprom for the preparation of this Conference.

Card 3/3

Second International Conference on Measuring Equipment and Instrument Manufacture. Izm.tekh. no.10:60-61 0 '61. (MIRA 14:11)

(Measuring instruments)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000514420019-5"

PHASE I BOOK EXPLOITATION

sov/6143

- Gavrilov, Anatoliy Nikolayevich, Doctor of Technical Sciences,
 Professor
- Tekhnologiya aviatsionnogo priborostroyeniya (Technology of Aviation Instrument Making). 2d ed., rev. and enl. Moscow, Oborongiz, 1962. 472 p. 12,000 copies printed.
- Ed.: P. I. Bulovskiy, Doctor of Technical Sciences, Professor; Ed. of Publishing House: N. A. Gortsuyeva; Tech. Ed.: V. I. Oreshkina; Managing Ed.: S. D. Krasil'nikov, Engineer.
- PURPOSE: This textbook is intended for students of instrument making in aviation schools of higher technical education; it may also be useful to engineers and technicians working in industry.
- COVERAGE: Fundamentals in the planning of manufacturing processes applicable to the conditions and characteristics of aviation instrument making are presented, as well as the production technology of ordinary and special parts and the assembly of aviation Card 1/5

Technology of Aviation Instrument Making

SOV/6143

instruments. Particular attention is paid to problems of instrument quality and to increasing the economy of manufacture through the use of advanced production processes resulting from the widescale introduction of automation and mechanization. The book contains collected and systematized material which reflects the results of investigative study and production experience in various branches of Soviet and non-Soviet instrument making. No personalities are mentioned. There are 70 references: 47 Soviet, 14 English, 8 German, and 1 French.

TABLE OF CONTENTS [Abridged]:

Foreword

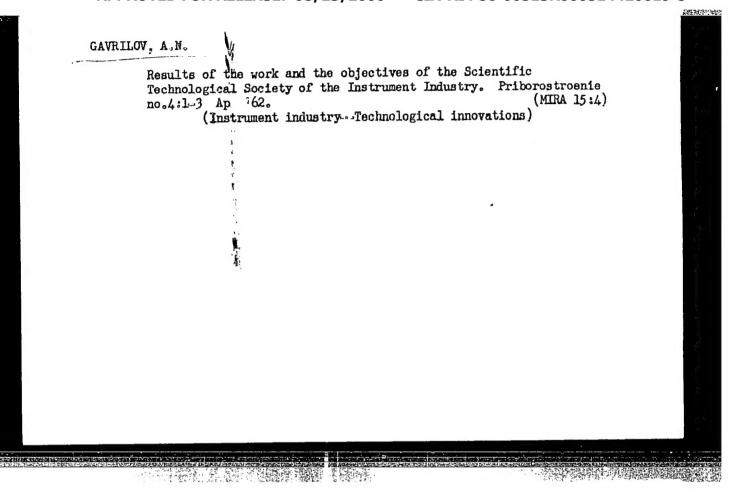
3

PART I. FUNDAMENTALS IN THE PLANNING OF MANUFACTURING PROCESSES IN INSTRUMENT MAKING

Ch. I. Basic Concepts and Planning of the Manufacturing Propesses in Aviation Instrument Making

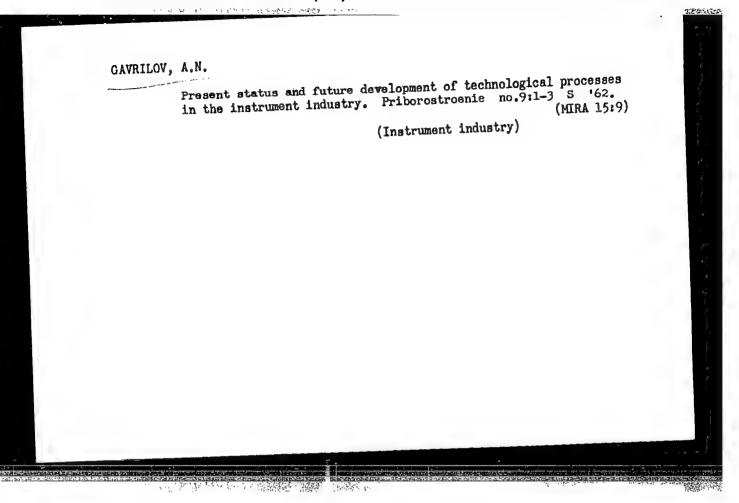
Ch. II. Machining Accuracy Card 2/5

15



"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514420019-5



ZOTOV, V.P.; SILUYANOV, V.G.; GUGINA, Ye.F.; AUERMAN, L.Ya.; ALEKHINA, M.S.;

HE ZZUBOV, A.D.; BODROV, V.A.; BUDNYY, A.V.; BURTSEV, Ye.L.;

VAYNSHTEYN, V.O.; GAVRILOV, A.N.; GORBATOV, V.M.; GRITSENKO, N.N.;

DOLGUSHEVA, L.I.; YEDYGENOV, K.Ye.; ZHURAVLEVA. SS.; ZACHESKIN,

Ya.A.; IVKIN, A.P.; IZOTOV, A.K.; LL'INSKIY, N.A.; IRINARKHOVA,

YA.A.; IVKIN, A.P.; IZOTOV, A.K.; LUPISH, A.T.; OLEYNIKOV, V.V.;

ORANZHEREVEVA, V.B.; PETROV, N.A.; PYATIBRATOV, M.A.; ROMANOV,

A.N.; RAUBE, P.V.; RYZHENKO, L.P.; SEMYKIN, A.A.; SHEFER, A.P.

G.IA.IVANOV; Obituary. NTO 4 no.10:39 0 '62. (MIRA 15:9)

(Ivanov, Georgii IAkovlevich, 1897-1962)

GAVRILOV, A.N., doktor tekhn.nauk, prof.; KOVALEV, P.I.; KHOKHLOV, B.A.; ZHERDEV, N.F.; KASPEROVICH, N.S., inzh., red; SMIRNOVA, G.V., tekhn. red.

[Album of attachments for machine tools used in the manufacture of instruments] Al'bom prisposoblenii dlia metallorezhushchikh stankov, primeniaemykh v priborostroenii. Pod red. A.N.Gavrilova. Izd.2., ispr. i dop. Moskva, Mashgiz, 1963. 216 p.

(Machine tools-Attachments)

CIA-RDP86-00513R000514420019-5" APPROVED FOR RELEASE: 08/23/2000

DANILEVSKIY, Vladimir Viktorovich; GAVRILOV, A.N., prof., doktor tekhn. nauk, retsenzent; KHOLIN, V.A., inzh., retsenzent; KUNIN, P.A., red.; VARGANOVA, A.N., red.izd-va; MURASHOVA, V.A., tekhn. red.

[Technology of the manufacture of machinery; general course] Tekhnologiia mashinostroeniia; obshchii kurs. Moskva, Vysshaia shkola, 1963. 505 p. (MIRA 17:2)

AM1016086

BOOK EXPLOITATION

S

Gavrilov. A. N.; Ushakov, N. N.; Tsvetkov, N. M.

Technology of Aviation Electrical Equipment (Tekhnologiya aviatsiomnogo elektrooborudovaniya), Moscow, Oborongiz, 1963, 523 p., illus., biblio. Errata slip inserted. 10,000 copies printed.

TOPIC TAGS: electrical equipment, casting, cold stamping, hot stamping, plastic, ultrasonic treatment, machining, coating, bushing, gear, threaded part, spring, housing, permanent magnet, winding, rotor, assembly, automation

FURPOSE AND COVERAGE: The book presents the basic problems of designing the technological processes applicable to aviation electrical equipment construction, the technology of fabricating standard and special components, problems of assembly, mounting, and inspection of aircraft electrical equipment. It reflects the experience of domestic and foreign electrical equipment construction and the results of certain research. Great attention is given to raising the quality and lowering the cost of making components by using progressive technological processes, mechanization and automation. The book is a text for students in aviation higher educational institutions and departments and can be useful for workers in industry.

Cord 1/4

BALAKSHIN, O.B., kand. tekhn. nauk; BYKHOVSKIY, M.L., prof., doktor tekhn. nauk; VOLODIN, Ye.I., kand. tekhn. nauk; GRIGOR'YEV, I.A., kand. tekhn.nauk; DRAUDIN-KRYLENKO, A.T., inzh.; IVANOV, A.G., kand. tekhn.nauk; KOZLOV, M.P., kand. tekhn. nauk; KOROTKOV, V.P., prof.; KOCHENOV, M.I., kand. tekhn. nauk; KUTAY, A.K., kand. tekhn. nauk; MARKOV N.N., kand. tekhn. nauk; PALEY, M.A., inzh.; RAYEMAN, N.S., kand. tekhn.nauk; ROSTOVYKH, A.Ya., kand. tekn. nauk; RUMYANTSEV, A.V., kand. tekhn.nauk; SARKIN, I.G., prof.; SMIRNOV, A.S., inzh.; TAYTS, B.A., prof., doktor tekhn. nauk; YAKUSHEV, A.I., prof., doktor tekhn. nauk; NESTEROV, V.D., inzh., nauchnyy red.; GHUDOV, V.A., inzh., nauchnyy red.; GAVPHOV, A.N., doktor tekhn.nauk, prof., red.; BLAGOSKLONOVA; MITTARY, red.

[Manufacture of instruments and means of automatic control: a manual in five volumes] Priborostroenie i sredstva avtomatiki; spravochnik v piati tomakh. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry. Vol.l.[Interchangeability and engineering measurements] Vzaimozameniaemost' i tekhnicheskie izmerenia. 1963. 568 p.

(Electronic measurements) (Automatic control)

GAVRILOV, Anatolly Nikolayevich, doktor tekhn. nauk, prol.

Instrument industry today and tomorrow. NTO 5 no. ll:12-15 N '63.

(MIRA 16:12)

1. Predsedatal' ISentral'nogo pravleniya Nauchno. tekhnicheskogo obshchestva priborestroitel'noy promyshlennosti.

GAVRILOV, A. N.

"The general status and the technical-scientific problems of manufacturing accuracy in the instrument industry."

report submitted for the 3rd Intl Measurement Conf & 5th Intl Instruments & Measurements Conf, Stockholm, 14-19 Sep 64.

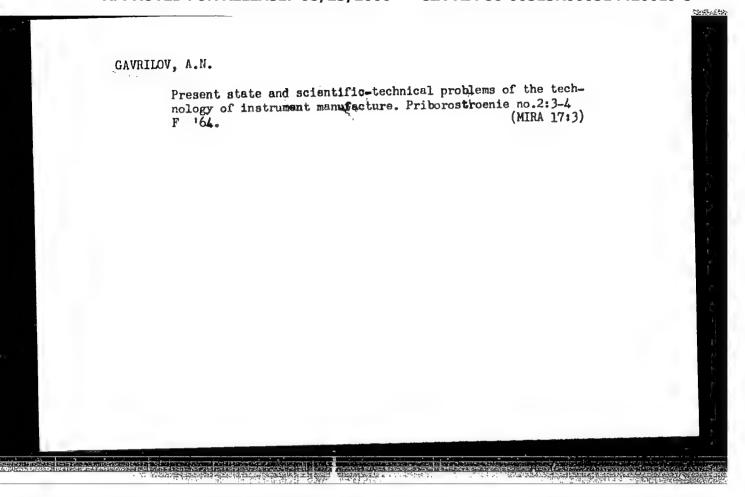
"APPROVED FOR RELEASE: 08/23/2000

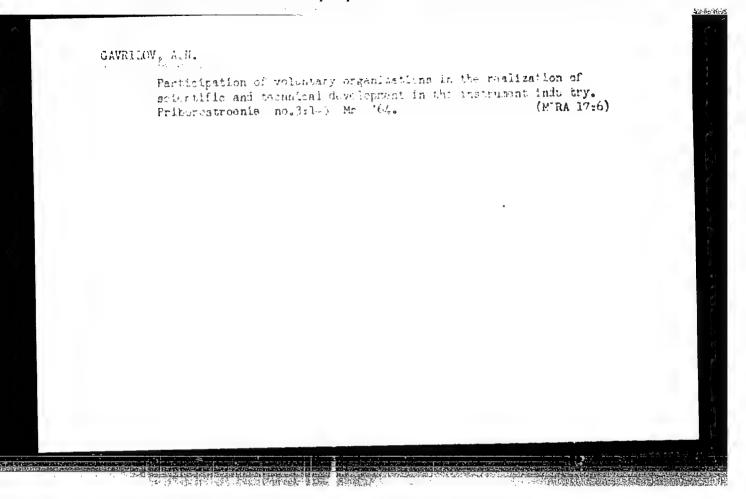
CIA-RDP86-00513R000514420019-5

GAVRILOV, A.N., doktor tekhn. nauk, prof., otv. red.; YAKUSHEV, A.I., doktor tekhn. nauk, prof., otv. red.; BURDUN, C.D., doktor tekhn. nauk, prof., otv. red.; DIKUSHIN, V.I., akademik, red.

[Precision, interchangeability and industrial measurements in the manufacture of machinery; transactions] Tochnost, vzaimozameniaemost, i tekhnicheskie izmereniia v mashinostroenii; trudy. Moskva, Izd-vo "Nauka," 1964. 386 p. (MIRA 17:6)

1. Soveshchaniye po tochnosti, vzaimozamenyayemosti i tekhnicheskim izmereniyam v mashinostroyenii. 2d, 1962.





1. GAVRILOV, A. P.

2. USSR (600)

4. Pine - Yul'yanov Province

7. Growth of pine plantings according to forest type on the right bank of the Volga in Yul'uanov Province. Les. khoz. 6 No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514420019-5

TOMUSERNEO, I.G., akkumulyatorshchik; GAVRIIOV, A.P., akkumulyatorshchik.

Our method of reconditioning storage batteries. Elek. i tepl.
tiaga no.3:32-33 Mr '57. (MIRA 10:6)

1. Elektrodepo, Leningrad. Finlyandskoy Oktyabr'skoy dorogi.
(Storage batteries)

GAVRILOV, 1. P., Engr.

PA 192T. 7

USSR/Engineering - Welding Equipment Oct 49

"Welding of Important Structures at the Staro-Kramatorsk Machine-Building Plant imeni Ordzhonikidze," A. P. Gavrilov, Engr, 5 1/2 pp

"Avtogen Delo" No 10

Describes use of welding in following fields: building structures, cranes, gears, rolling equipment, forging and press equipment, metal-lurgical equipment, pit head gear, hydraulic engineering installations, boilers, and reservoirs. Includes three drawings, and ten photographs.

152T27

Izgotovienie barabana shakhtnoi elektropod"emnoi mashiny. (Vestm. Mash., 1950, no.8, p. h6-h7)

Refers to "Staro-Kramatorskii" plant.

Manufacturing the drum of an electric mine hoisting machine.

DLC: TNh.vh

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

GAVRILOV, A.P.

USSR/Engineering - Welding

May 51

"Constructing the Welded Bridge of an Ore-Coal Reloader," A. P. Gavrilov, Engr

"Avtogen Delo" No 5, pp 14-18

Reloader designed as bridge crane was constructed for the 1st time by welding method, at Staro-Kramatorsk Mach Bldg Plant imeni Ordzhonikidze in 1948. Bridge length is 137.35 m. Productive capacity 500 tons/hr of ore and 400 tons/hr of coal. Describes procedure of fabrication and outlines shortcomings, eliminated in construction of subsequent bridges.

200T30

G:VRILOV, A. P., Eng.

Welding of metal construction at the Ordzhonikidse SKMZ plant. Avtog. delo
23, No 5, 1952.

GAVRILOV. AP., SERDYUKOV, P. I.

Work experience of the welders of the plant department of the Scientific Institute of the Society of Engineers and Technicians at the Ordzhonikidze SKMZ plant. Avtog. delo. 23, No 5, 1952.

Production of welded locomotion mechanisms for ore and coal loaders at the Ordshonikidze SKMZ. Vest.mash.34 no.1:83-85 Ja (MIRA 7:2) (Mining machinery)

THE PROPERTY OF THE STREET, ST

SHEYDIN, Ya.G.; BOYDA, Sh.A.; GAVRILOV, A.P.

TO THE REPORT OF THE PARTY OF T

Use of borehole radiometric surveys in searching for some types of rare metal deposits. Razved. i okh. nedr 26 no.7:48-51 Jl '60. (MIRA 15:7)

1. Ministerstvo geologii i okhrany nedr SSSR.
(Metals, Rare and minor) (Radioactive prospecting)

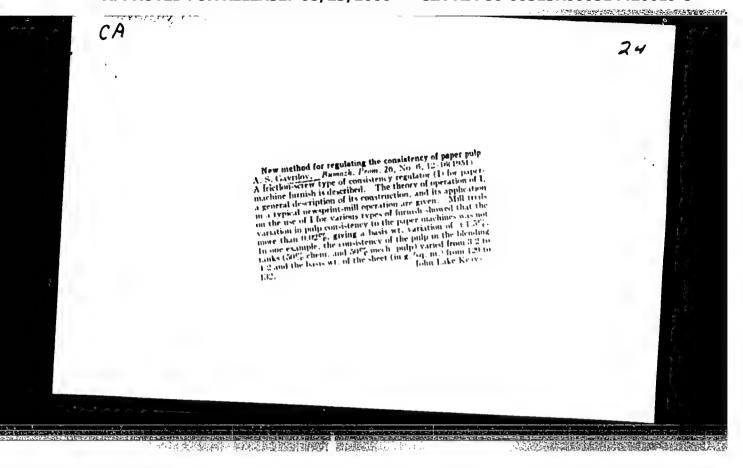
"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000514420019-5

PLETNEVA, N.I.; YELINA, N.A.; DENISOV, A.P.; GAVRILOV, A.P.

Accessory rare-earth silicate-epatite from pegmatites. Mat. po min. Kol¹. poluost. 2:123-132 '62. (MIRA 16:4)

(Kola Peninsula—Apatite)
(Kola Peninsula—Pegmatites)



Viscosimeter for determining fiber grinding in paper pulp.

Bum. prom. 36 no.11:26-27 N '61. (MIRA 15:1)

(Viscosimeter)

(Papermaking machinery)

GAVRILOV, A.S., podpolkovnik meditsinskoy sluzhby; TSIVILASHVILI, A.S., kand. med.nauk, podpolkovnik meditsinskoy sluzhby; SHAPOSHNIKOV, A.I., kand. tekhn.nauk, inzh.-podpolkovnik

Fitting of the pressure suit. Voen.-med.zhur. no.1:65-67 (MIRA 18:10)

GAVRILOV, A. V.

USSR/Miscellaneous - Contests

Card 1/1

Pub. 133 - 18/23

Authors

Gavrilov, A. V., and Kanevsky, S. G.

Title

Results of a contest for the best suggestions in the field of communications

Periodical :

Vest. syyazi 8, 26-27, Aug 1954

Abstract

The results of the 1954 annual technical contest arranged by the Ministry of Communications for the best suggestions made in the communications field are described. The majority of suggestions were made in the field of telegraph communications and radio broadcasting; improved methods applicable to intraregional communications also were proposed. Frize-winning suggestions and winners are listed.

Institution:

tution: ...

Submitted : ..

GAVRILOV, A.V.; KANEVSKIY, S.G.

Results of the All-Union public review of efficiency work conducted in district communications offices. Vest.eviexi 14 no.4:29-30 Ap *54.

(Telecommunication)

(MLRA 7:6)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000514420019-5"

"APPROVED FOR RELEASE: 08/23/2000

工程的企业工程的支持整理器 高速流光

CIA-RDP86-00513R000514420019-5

KANEVSKIY, S.G., otvetstvennyy red.; GAVRILOV, A. V., red.; KHELEMSKAYA, L.M., tekhn. red.

[Efficiency promoters in regional communications centers] Ratsionalizatory raionnoi kontory sviazi. Moskva, Gos. izd-vo lit-ry povoprosam sviazi i radio, 1955. 33 p. (HIRA 11:9) (Telecommunication)

AFANAS'YEV, Aleksandr Porfir'yevich; GUSEV, Simon Stepanovich;

KRISTAL'HYY, Vladimir samoylovich; RAMENSKIY, Boris Mikolayevich,
redaktor; ROZENBERG, Yakov Grigor'yevich; SILIN, Konstantin
Fedorovich; GAVRILOV, A.V., redaktor; SOKOLOVA, R.Ya., tekhnicheskiy redaktor.

[Establishing electric and radio communication facilities in
the district] Ekspluatatsia sredstv elektrosviazi i radiofikatsii v raione. Moskva, Gos.ixd-vo lit-ry po voprosam
sviazi i radio, 1955. 187 p.

(Telecommunication) (Radio)

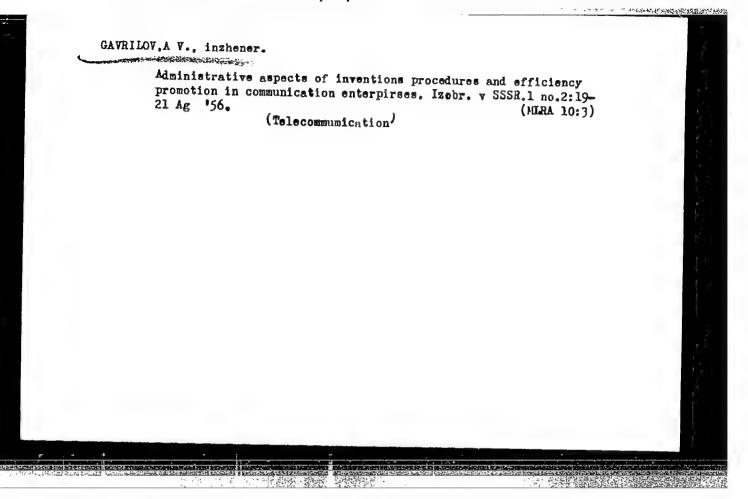
APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000514420019-5"

GAVRILOV, A.V.

Conducting a competition for the best suggestion in the communication field. Vest.sviazi 15 no.9:26-27 S'55. (MLRA 8:12)

1. Nachal'nik otdela izobreteniy Tekhnicheskogo upravleniya Ministerstva svyazi SSSR.

(Telecommunication)



Remevo shertcemings in the erganization of efficiency innevators' work in communications enterprises, Vest.sviani 16 no.7:30-31 J1 '56. (MIRA 9:9)

1. Nachal'nik etdela izebreteniy Tekhnicheskege upravleniya Ministerstva svyazi SSSR. (Telecommunication)

GAVRILOV, A.V.; KANEVSKIY, S.G.

Multiply the ranks of communications innovators. Vest. sviazi
17 no.5:27 My '57. (MLRA 10:5)

1. Nachal'nik otdela izobretenniy Ministerstva svyazi SSSR (for Gavrilov). 2. Zamestitel' predsedatelya komissii po massovomu rabochemu izobretatel'stvu i ratsionalizatsii TSentral'nogo komiteta profsoyuza rabotnikov svyazi (for Kanevskiy).

(Telecommunication)

Efficiency 1. Odin is common scions enterprises in the Urals, Sisseia and the Fre East, Vest, swiezi 17 no.6:26-27 Je 157. (1924 10:8)

1. Zamentitel' postedatelys benissii pe massovemu isobrebutel'stvu i ratsionalisateli T5 ntral'nego keriteta profsogua svyzzi (for Kamevskiy) 2, Nechal' if Te and cheskogo attala Einsterstva svyzzi RFFSt (for Earlanes) 1. Nuchal'nik Otiala izobreteniy Ninisterstva svyzzi NSSR (for Gyvetler). (Siberia-Telecomunication)

AUTHOR:

Gavrilov, A.V.

111-58-6-17/25

TITLE:

Keep on Improving the Rationalization Work in Communication Establishments (Neustanno uluchshat' ratsionalizatorskuyu rabotu na predpriyatiyakh svyazi)

PERIODICAL:

Vestnik Svyazi, Nr 6, 1958, p 27 (USSR)

ABSTRACT:

More than 300 lectures on communication techniques were given in BSSR communication establishments during one year with the assistance of the Belorussiqn branch of the Nauchnotekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi imeni A.S. Popova (The Scientific Technical Association of adio-Technics and Electrocommunications imeni A.S. Popov). Totals given by the author show that a 3 month contest resulted in an increase of rationalization suggestions.

ASSOCIATION:

Otdel izobreteniy tekhnicheskogo upravleniya (The Invention Department of the Technical Administration) of the USSR Ministry of Communications

Card 1/1

Communications - USSR 2. Communications -Technique

SHIPMOV, N.N.; GAVRHLOV, A.V.

Stabilization process in the suspended layer of a polydisperse system. Nauch.dokl.vys.shkoly; energ. no.1:103-108 '59.

(MIRA 12:5)

1. Rekomendovana kafedroy tekhnologii vody i topliva Moskov-skogo energeticheskogo instituta.

(Colloids)

6 (2)

SOV/111 -59-4-17/25

AUTHOR:

Gavrilov, A. V., Chief

TITLE:

The Creative Thoughts of Inventors and Efficiency Experts Must Serve the Seven-Year Plan (Tvorcheskuyu mysl' izobretateley

i ratsionalizatorov - na sluzhbu semiletke)

PERIODICAL:

Vestnik svyazi, 1959, Nr 4, p 26 (USSA)

ABSTRACT:

Problems of the further development of inventions and efficiency : suggestions will be discussed at the congress of the Vsesoyuznoye obshchestvo izobretateley i ratsionalizatorov (All-Union Society of Inventors and Efficiency Experts must) which will take place in May, 1959. The author repeats the tasks of the Jeven-Year Flan which are to be achieved by the communication workers, and emphasizes that in the overwhelming majority of new devices, the inventions and suggestions of communication workers

were used. The work of these inventors is of great importance to the Seven-Year Plan. In 1958, about 50,000, or 84%, out of a total of 55,900 suggestions of communi-

Card 1/2

cation employees were realized.

30V/111-59-4-17/25

The Creative Thoughts of Inventors and Efficiency Experts Must Serve the Seven-Year Plan

ASSCCIATION: Otdel izobreteniy Tekhnicheskogo upravleniya Ministerstva svyazi SSSE (Section for Inventions of the Technical Administration of the USSR Ministry of Communications).

Card 2/2

TARAKANOVA, M.S., starshiy inzh.; GAVRILOV, A.V.

Automatic control in telephone and telegraph communications; scientific and technical conference of the communication workers of Kazakhstan and Central Asia. Vest. sviazi 21 no.9:17-18 S '61. (MIRA 14:9)

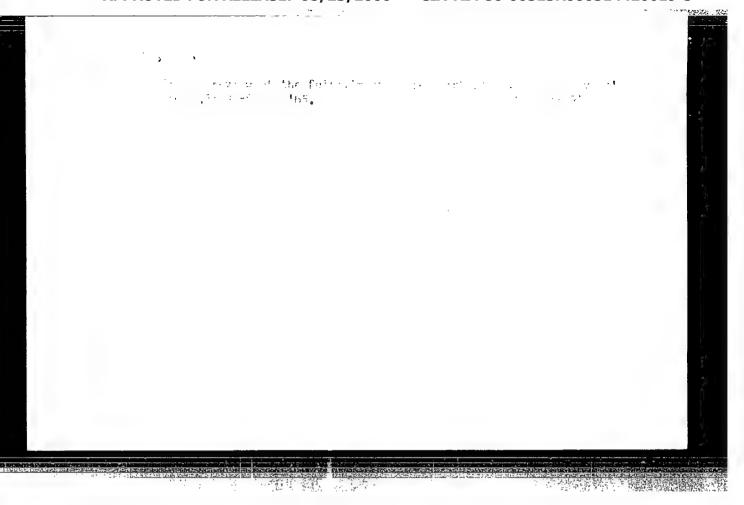
1. Glavnoye upravleniye mezhdugorodnoy telegrafno-telefonnoy svyazi Ministerstva svyazi SSSR. 2. Nachal'nik otdela izobreteniy Tekhnicheskogo upravleniya Ministerstva svyazi SSSR (for Gavrilov).

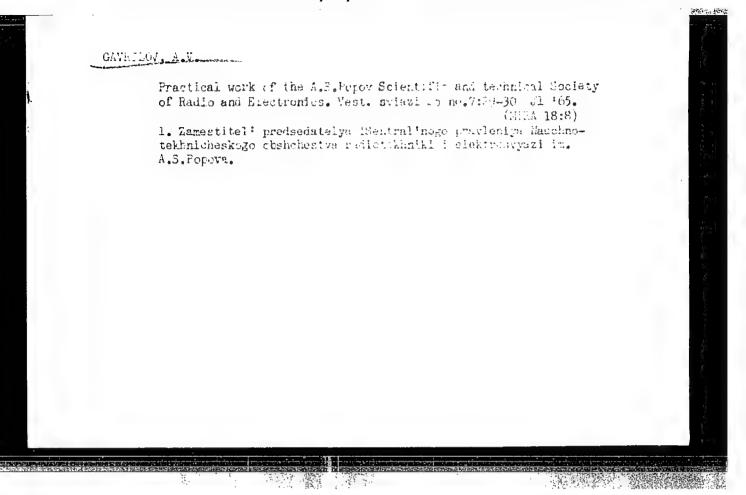
(Telecommunication—Employees)
(Telephone—Congresses) (Telegraph—Congresses)

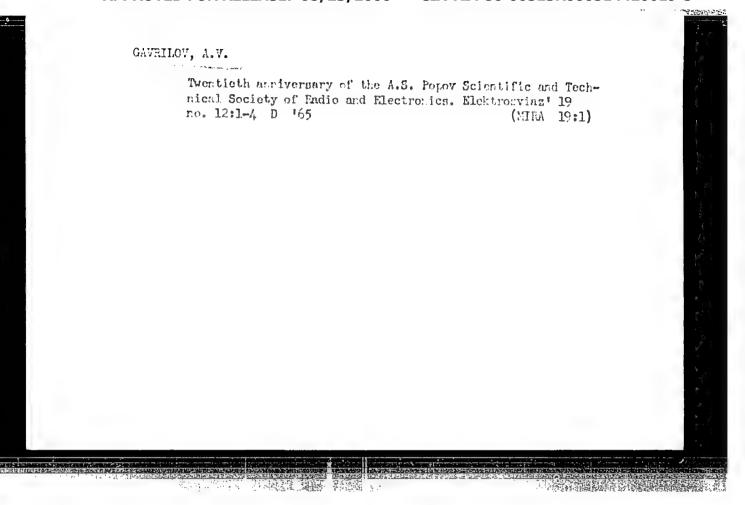
More active participation in the creation and use of new equipment in industry. Radiotekhnika 19 no.11:71-72 N 164.

(MIRA 18:2)

1. Deystvitel'nyy chlen Nauchno-tekhnicheskogo obshchestva radio-tekhniki i elektrosvyazi imeni A.S Popova.







GAVRILOV, A. Ya.

GAVAJIOV, A. Ya. - "Certain Geochemical Characteristics of the Oil Deposits of the Apsheron Peninsula." Sub 19 Dec 52, Moscow Order of Lenin State U imeni M. V. Lomonosov. (Dissertation for the Degree of Candidate in Geological and Mineralogical Sciences).

SO: Vechernaya Moskva January-December 1952

GAVRILOV, A.Ya.; DRAGUNSKAYA, V.S.

Condensate with an aromatic base found in eastern Turkmenistan.

Izv.AN Turk.SSR.Ser.fiz.-tekh., khim.i geol.nauk no.3:111-113

163. (MIRA 17:3)

1. Turkmenskiy filial Vsesoyuznogo neftegazovogo nauchno-issle-dovatel'skogo instituta.

GAVRILOV. A.Ye.; ROSSOVA, S.M., redaktor; POPOV, N.D., tekhnicheskiy redaktor

[Operation of small capacity hydroelectric power stations]

**Rkspluatataiia elektrostantsii maloi moshchnosti. Moskva, Gos.
nauchno-tekhn. izd-vo lit-ry po geologii i okhrane nedr. 1954.

15 p. (MIRA 8:1)

(Hydroelectric power stations)

GAVRILOV, A.Ye.: ROSSOVA, S.M., redaktor; POPOV, N.D., tekhnicheskiy redaktor.

[Operation of low-capacity electric power stations] Ekspluatatsiia elektrostantsii maloi moshchnosti. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geologii i okhrane nedr. 1954. 14 p. (MLRA 7:11) (Electric power plants)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000514420019-5"

GAVRILOV, A.Z

14(5)

sov/92-59-1-28/36

AUTHOR: None given

TITLE: (Photograph by A. Bryanov, TASS photographer)

PERIODICAL: Neftyanik, 1959, Nr 1, p 32 (USSR)

ABSTRACT: This photograph, reproduced under the heading "Automatic Device for Pumping Petroleum Out of a Gaging Tank", shows A.Z. Gavrilov, operator of the Mukhanovo oilfield. He is controlling the operation of the automatic device introduced by the Pervomayneft' Administration for pumping petroleum out of a gaging tank.

Card 1/1

GAVRILOV, B.

"Influence of rosin extraction on growth" Tr. from the Russian p. 89. (Analele Romano-Sovietice. Seria Silvicultura-Industrial Lemnului Si Hartieli. Series a II-a, vol. 7, no. 16, Nov./Dec. 1952. Bucresti.)

EAST EURO: EAN Vol. 2, No 9
So: Monthly List of ***** Accessions, Library of Congress, September

1953, Uncl.

GAVRILOV, B.; LADIYEV, R.; LOBURENKO, A.; CHUGAY, A.; SHUGUROV, V. (Kiyev)

Use of new technology reduces fire hazards. Pozh.delo 6 no.10:28

0 '60. (MIRA 13:10)

(Rubber industry—Fires and fire prevention)

GAYRILOV, B.

Students acquire trade vocations. Sov.torg. 34 no.5:35-38 My '61. (MIRA 14:5)

l. Nachal'nik upravleniya uchebnykh zavedeniy Ministerstva torgovli RSFSR.

(Distributive education)

GAVRILOV, Boris Aleksandrovich, kand. istor. nauk; KAPIUNOV, A.S., red.; BERLOV, A.P., tekhn. red.

[Struggle of the Communist Party to strengthen the union of working class and peasantry during the restoration of the national economy 1921-1925] Bor ba Kommunisticheskoi partii za ukreplenie soiuza rabochego klassa s krest ianstvom v period vosstanovleniia narodnogo khoziaistva (1921-1925 gg.). Moskva, Izd-vo "Znanie," 1958. 45 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh snanii. Ser. 1, no.21). (MIRA 11:10) (Russia--Economic policy)

NAYDICH, I.M., kand. tekhn. nauk; MORGULIS, M.L., novi, bekhn. nauk; GAVRILOV, B.A., 102h.

Present-dey highly efficient crushing equipment. Stroi. mat., 10 no.2:35-38 P '64. (NIRe 17:6)

ACC NR. AT6036616	SOURCE CODE: UR/0000/66/000/000/0300/0302	
	hanyan, N. A.; Kuznotsov, A. G.; Baror, A. S.; M. M.; Davydov, G. A.; Kalinichenko, I. R.; I.; Nikulina, G. A.; Tikhomirov, Yo. P.; Sokol, Ye. A.;	H
OXG: none		
preparation and training of of Space Medicine held in Mo	cosmonauts [Paper prosented at the Conference on Problems scow from 24-27 May 1966]	4
comment. How down the loss on more	oblemam kosmicheskoy moditsiny, 1966. Problemy oblems of space medicine); materialy konferentsii,	, .
TOPIC TAGS: hypoxia, high a cosmonaut training	altitude physiology, alpine acclimatisation,	
ABSTRACT: Tasks of the present st		
1. Conduct complex ph process of acclimatization	ysiological and clinical investigations during the at altitudes of 3300 to 4100 m.	
Card 1/4		
		,

ACC NR. AT6036616

- . 2. Study the influence of alpine acclimatization on human tolerance to extremal spaceflight factors.
- 3. Study the comparative resistance of alpine inhabitants, valley inhabitants, and alpinists to extremal factors.
- 4. Develop a system of alpine acclimatization for cosmonauts and issue recommendations on the application of alpine acclimatization for the preparation and training of cosmonauts and on the creation of alpine camps for cosmonauts.

Acclimatization was conducted at the alpine station of the Kirgiz State Medical Institute (Tuya-Ashu mountain pass, altitude, 3300 to 4100 m). A total of 28 male subjects were studied of whom: 11 were indigenous to alpine conditions as farmers of the Tien-Shan--Pamir region (2000 to 2500 m), 11 were valley inhabitants, and 6 were accomplished alpinists. The following indices were studied under alpine conditions and using test stands: Functional condition of the central nervous system; external respiratory and cardiovascular system function; some biochemical indices; the state of the blood coagulation and anticoagulation capacity; and in separate experiments; cerebral circulation using an electroplethysmographic method.

Card 2/4

ACC NRL ATS036616

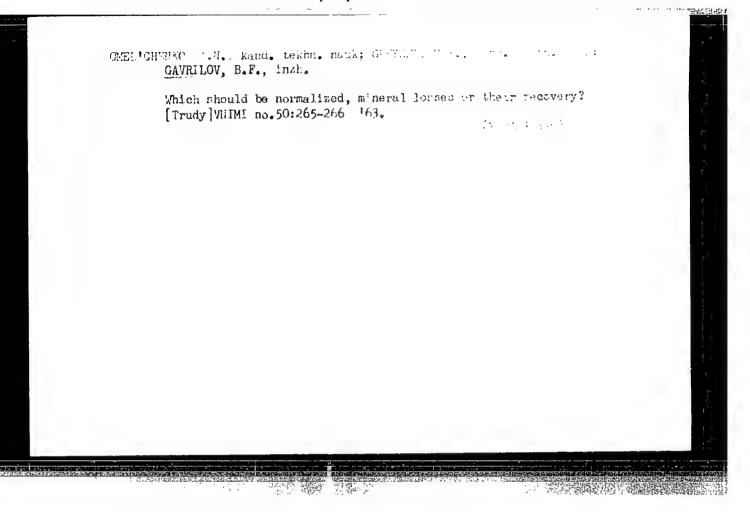
The experiments showed that after 45 days of alpine acclimatization, human tolerance to prolonged, back-chest accelerations (8 to 10 G) was improved. This was reflected in a relative increase in the amplitude of rheoencephalograms for all subjects and consequently, improved cerebral circulation and lowered pulse rate. EKG changes indicated that the heart was undergoing less strain after alpine acclimatization. After residence in alpine conditions, a decrease in basic metabolic indices and a slight increase in arterial blood oxygen saturation was noted in alpine inhabitants during accelerations.

A study of heat tolerance showed that there was a drop in basic physiological parameters (heat accumulation and basal metabolism) after alpine acclimatization in all three groups. These changes were more pronounced in indigenous alpine inhabitants and less pronounced in alpinists.

The resistance of the organism to hypoxia before and after acclimatization was studied using two approaches; exposure to a certain "altitude ceiling" in a pressure chamber and a method of reverse respiration using a spirograph first filled with atmospheric air. In the latter case as a measure of oxygen consumption, oxygen content under the bell jar of the spirograph decreased and exhaled carbon dioxide was chemically absorbed.

Card 3/4

CIA-RDP86-00513R000514420019-5" APPROVED FOR RELEASE: 08/23/2000



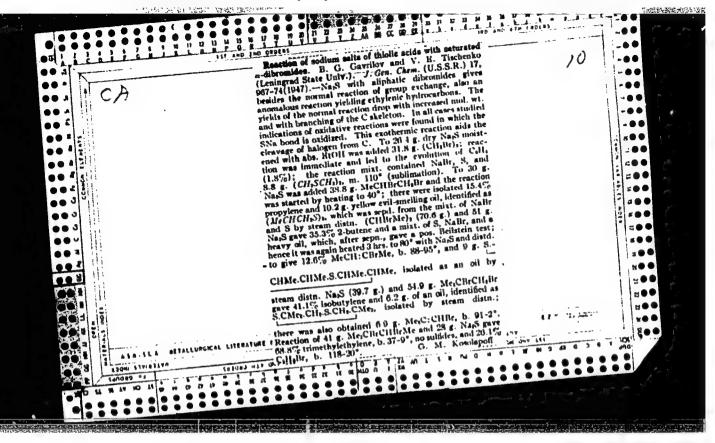
OMEL CHENKO, A.N.; GLEYZER, M.I.; GAVRILOV, B.F.

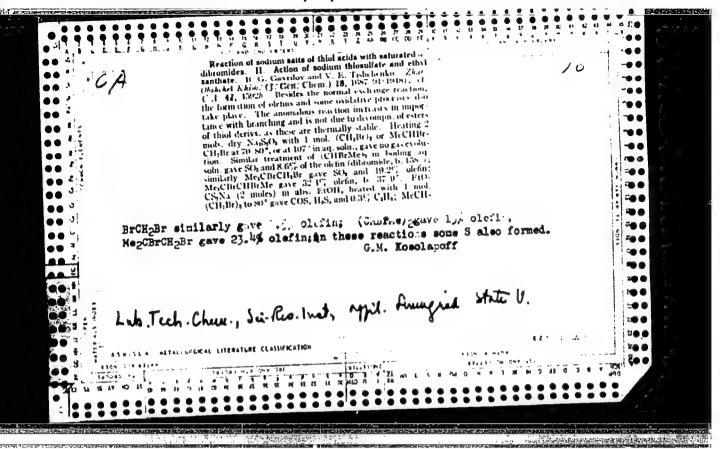
Calculation of losses of ore in the mine in induced block caving. Razved. i okh. nedr 29 no.7:44-46 Jl '63. (MIRA 16:9)

Vsesoyuznyy nauchno-issledovatel'skiy marksheyderskiy institut.
 (Mining engineering)

GIEYZER, M.I., kand. t-khn. nauk; GAVRILOV, B.F., inzh.; VODENIKOV, Yu.N., inzh.

Certain problems in sampling and estimating the average contents of the useful mineral component in the Zyryanovsk Combine lead mines. [Trudy]VNIMI no.50:267-278 '63. (MIRA 17:10)





GAY. 110V. B. G.

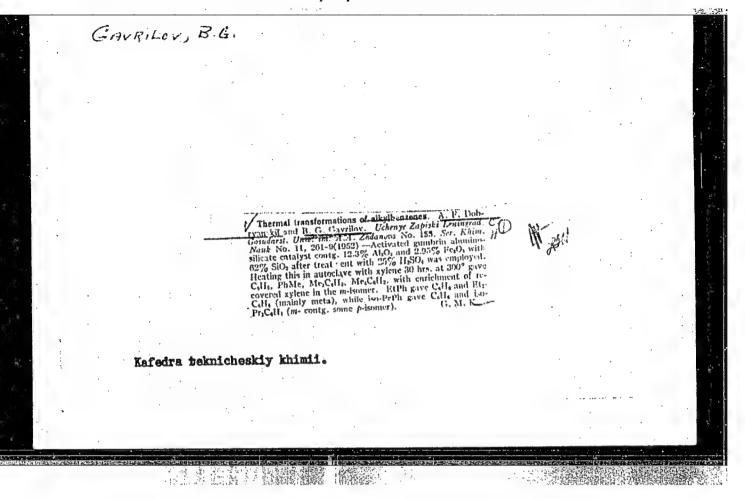
22363 DOBNYANSAIY, A. F. i GAVRHOV, B. G. Kataliticheshiye Freviasheniya
Uglomodorodov Nefti. Nauch. Dyulleten' Deningr. Gos. Un-te im. Zhderova,
No. 22, 1949, s. 13-12 Dibliogr: s. 18-19

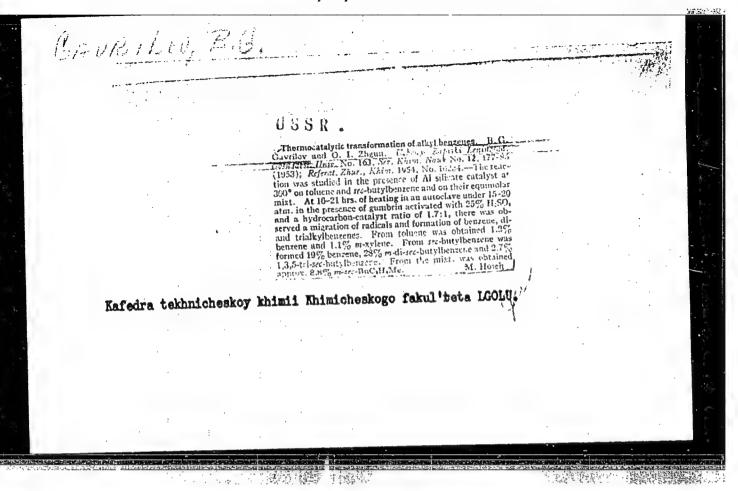
SO: Letopis' Zhurnel'nyih Statey, Vol. 44

DOBRYANSKIY, A.F., professor; GAVRILOV, B.G., dotsent.

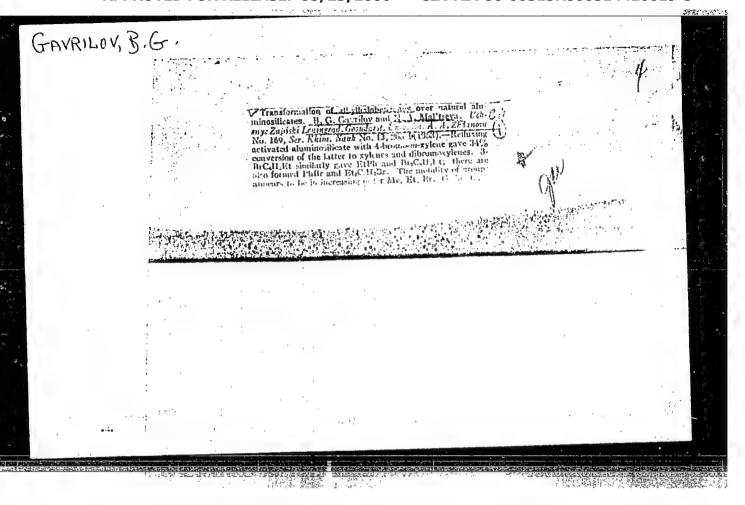
Gatalytic conversions of petroleum hydrocarbons. Nauch, biul, Len., un. no.23:13-19 '49. (MLRA 10:4)

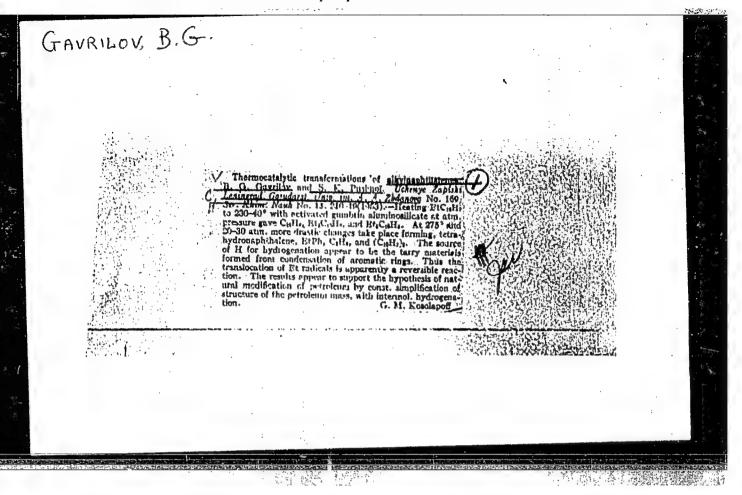
1. Kafedra tekhnicheskoy khimii. (Petroleum) (Hydrocarbons)





CIA-RDP86-00513R000514420019-5





GAVRILOY, B.G.

USSR/Chemistry - Catalytic conversion

Card 1/1 Pub. 151 - 22/38

Authors

: Gavrilov, B. G., and Nikitina, E. N.

Title

: Thermocatalytic conversions of butylnarhthaline

Periodical

: Zhur. ob. khim. 24/2, 303-307, Feb 1954

Abstract

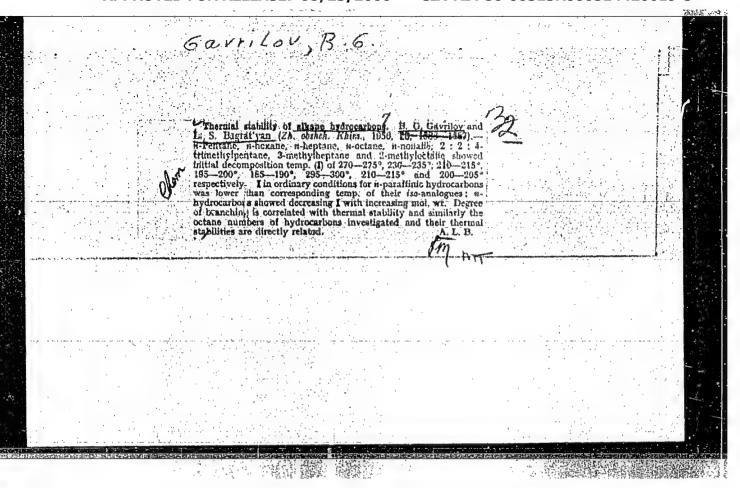
: Thermocatalytic conversion of mono- and di-secondary-butylnaphthalins over a natural aluminum silicate catalyst was investigated. In addition to the reactions leading to the displacement of the immutable fatty radicals, which are typical for alkylbenzenes, numerous other reactions were also observed. The most characteristic of these reactions were the formation of diethylbenzene, tetrahydronaphthalin, dinaphthyl and butane which take place through the ever-distribution of hydrogen, and the formation of octane (3,4-dimethylhexame) due to the combination of butyl radicals. The results obtained confirm the general law regarding the processes of petroleum conversion in nature: aromatic hydrocarbons—>naphthene hydrocarbons → methane hydrocarbons. Hine references: 1-English and 8-USSR (1923-1953). Tables.

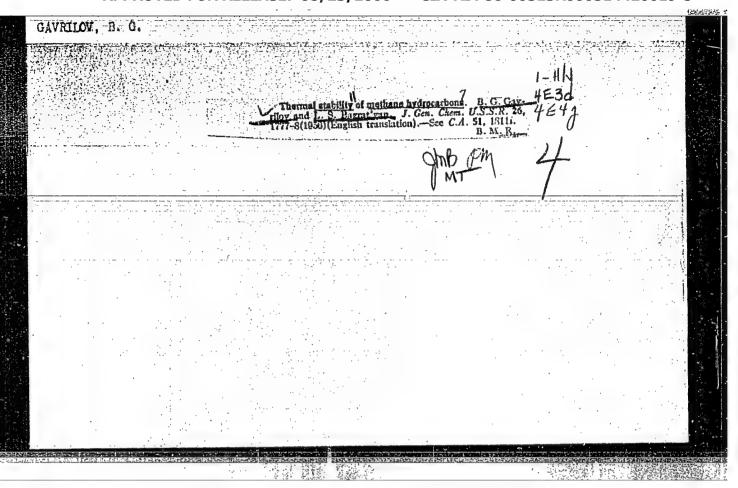
Institution:

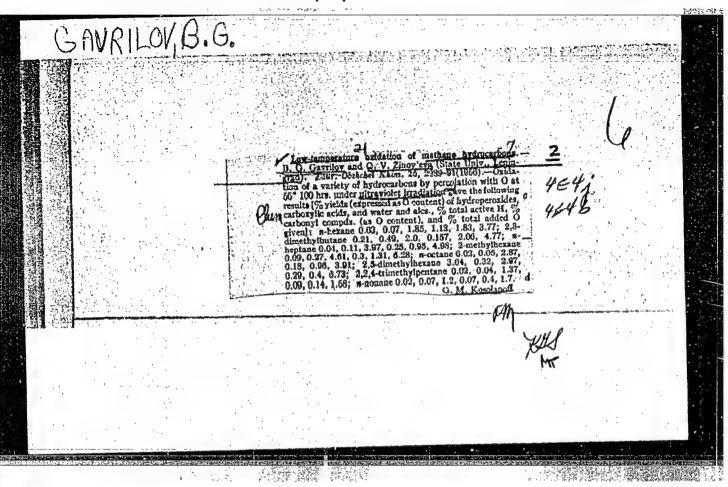
The A. A. Zhdanov State University, Leningrad-

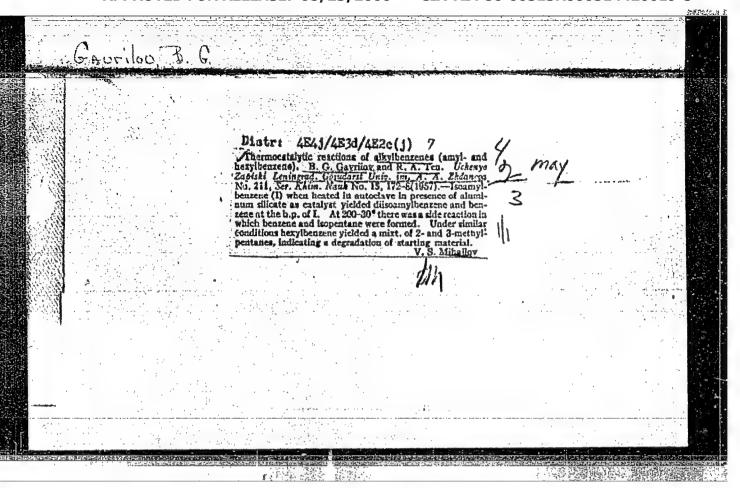
Submitted

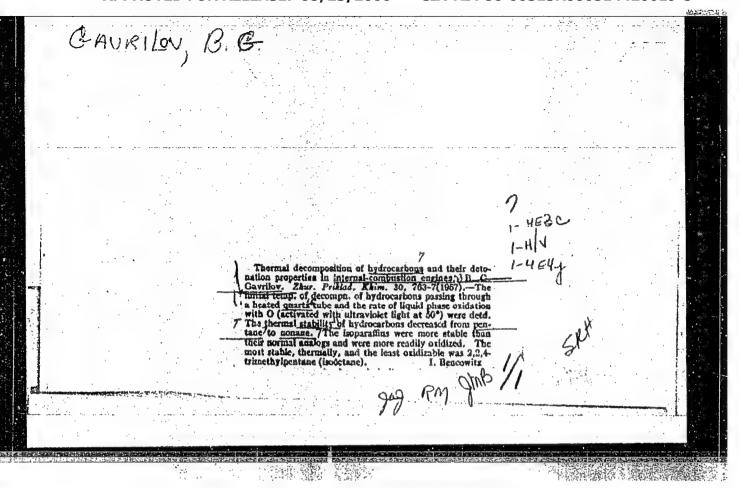
September 5, 1953

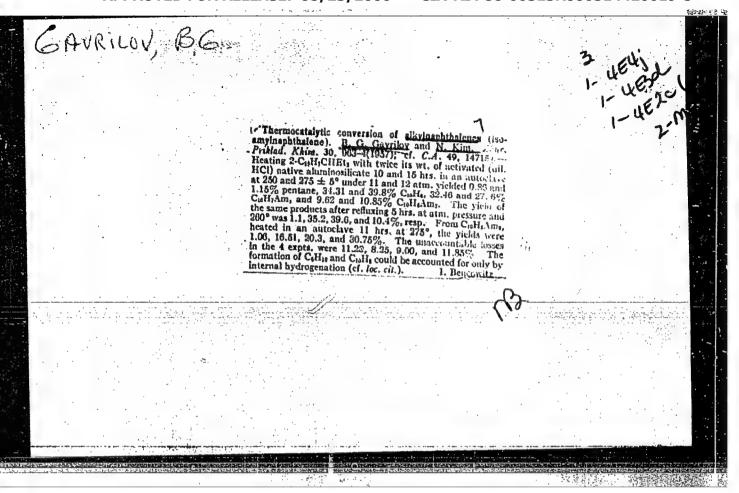












GAVRILOV, B.G.; ALTUKHOV, K.V.

Oxidizing properties of alkylmephthalenes. Izv. vys. ucheb. zav.; neft' i gaz no. 5:93-95 '58. (MIRA 11:8)

1. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova.
(Naphthalene)
(Oxidation)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000514420019-5"

GAVRILOV, V.G.; VELICHKO, S.A.

Effect of the preliminary thermal destruction on oxidizability of methane hydrocarbons. Zhur. ob. khim. 28 no. 8:2100-2101 Ag '58.

(MIRA 11:10)

Leningradskiy gosudarstvennyy universitet.
 (Nethane)
 (Oxidation)

AUTHORS:

Gavrilov, B. G., Buzanov, M. I.

50V/79-28-10-20/60

TITLE:

Thermocatalytic Transformations of ∞-Methyl Naphthalene (Termokataliticheskiye prevrashcheniya ∞-moʻilnaftalina)

PERIODICAL:

Zhurnal obshchey khimii, 1958, Vol 28, Nr 10, pp 2723-2724,

(USSR)

ABSTRACT:

The decomposition of alkyl naphthalene at a higher temperature is of interest for the chemical nature of the cracking process of hydrocarbons (Ref 1). The transformations of the alkyl naphthalenes at lower temperature and with activated loams offered some very interesting reactions of these hydrocarbons that are in direct relation to the transformations of petroleum in nature (Refs 2, 3). The \propto -methyl naphthalene was used for the experiments. 400 gr of it were heated in the autoclave with the same quantity of activated loam ("Gumbrine") at 350° for 8 hours with the pressure increasing to 31 atmospheres absolute pressure; 8 m³ gas of the following

composition were obtained:

Card 1/3

Thermocatalytic Transformations of < -Methyl Naphthalene SOV/79-28-10-20/60

The specific weight was 0,000723 gr/cm⁵. The liquid product of the catalysis was extracted together with the catalyst by benzene. After the solvent had been driven off the fractions mentioned in the table were separated by distillation. The transformation of ~-methyl naphthalene amounted to 69,2 %. The \$ -methyl naphthadene fraction was oxidized with 5 % nitric acid into an \$ -naphthoic acid. After filtration and re-crystallization a compound was obtained that had a melting point of 180,50. The final products were methane, naphthalene, β -methyl naphthalene, dimethyl naphthalene, and dinaphthyl. The formation of naphthalene and dimethyl naphthalene is explained by the reaction 2C10H7CH3
C10H8+C10H6(CH3)2, which is normal under these conditions. The results of the experiments prove the mechanism of the petroleum processes in the earth, which on the one hand points to the simplification of the petroleum material to the methane, and on the other hand to the complex formation of the highly condensed hydrocarbon. There are 1 table and 3 references, 3 of which are Soviet.

Card 2/3

Thermocatalytic Transformations of ∞-Methyl Nachthalene 367/79-28-10-26/60

ASSOCIATION: Leningradskiy gosudarstvennyy universitet

. (Leningrad State University)

SUBMITTED: July 29, 1957

Card 3/3

SOV/54-59-1-15/25

5(3)

Gavrilov, B. G., Vol'nova, I. S

TITLE:

A Study of the Equilibrium of Reactions of Radical Displacements of the Isopropylbenzene (Izucheniye ravnovesiya reaktsii

peremeshcheniya radikalov u zopropilbenzola)

PERIODICAL:

Vestnik Leningradskogo universiteta. Seriya fiziki i khimii,

1959, Nr 1, pp 107-11! (USSR)

ABSTRACT:

Some equilibriums of reactions of radical displacements at hydrocarbons in dependence on temperature, duration of reaction, and the presence of various catalysts have already earlier been investigated (Refs 1-7). These investigations are apt to supply a number of indications concerning the formation process of petroleum in nature. The equilibrium of reactions of radical displacements at the isopropylbenzene was therefore investigated. Aluminum silicate activated by HCl was used as a catalyst. The isopropylbenzene used exhibited the following indices: boiling point = 152-153°, $\frac{d^{20}}{d^{20}} = 0.8580$, $\frac{d^{20}}{d^{20}} = 1.4921$. Investigation re-

sults are given in table 1, which shows the values of the indices at various heating periods and at various temperatures in the

Card 1/2

SOV/54-59-1-15/25

A Study of the Equilibrium of Reactions of Radical Displacements of the Isopropylbenzene

range of from 152-250°. In all investigations two reactions were observed: the chief reaction $2C_6H_5C_3H_7 \leftarrow C_6H_6 + C_6H_4(C_3H_7)$ and the secondary reaction $2C_6H_4(C_3H_7)_2 \leftarrow C_6H_5C_3H_7 + C_6H_3(C_3H_7)_3$. The equilibrium in the chief reaction was attained after thirty-minute heating. In the secondary reaction also triisopropylbenzene was observed besides diisopropylbenzene. The equilibrium constant was computed for the reactions. The expression found for the temperature dependence of the equilibrium constants in the temperature range of from 175-250° has the following form: $1g K_p = \frac{5840}{4.576} - 2.1832$. There are 2 figures, 2 tables, and 7 Soviet references.

SUBMITTED:

December 11, 1958

Card 2/2

SOV/152-59-3-16/25 5(3), 11(4) Gavrilov, B. G. AUTHOR: The Oxidation of Olefins in Liquid Phase (Zhidkofaznoye TITLE: okisleniye olefinov) Izvestiya vysshikh uchebnykh zavedeniy. Neft' i gaz, 1959, PERIODICAL: Nr 3, pp 75-77 (USSR) An investigation was carried out of hexene-1, heptene-1, octene-1 (produced by dehydrogenation of the corresponding ABSTRACT: primary alcohols over active aluminium oxide at 330-340°), further 2-methyl hexene-2 and 2,5-dimethyl hexene-2 (produced by reaction of acetone with butyl magnesium bromide and isoamyl magnesium bromide respectively and dehydrogenation of the obtained alcohols by boiling with iodine). Oxidation of all olefins was carried out under the same conditions at 50° C by means of oxygen in ultraviolet light. In the oxidized hydrocarbons the hydroperoxydes were stannometrically determined, the acids titrimetrically, the active hydrogen according to the method by Terent'yev and the determination of the carbonyl compounds was carried out according to the method with the Beckmann-spectrophotometer. In the case of normal olefins C6 - C8 oxidizability decreases according to the Card 1/2

The Oxidation of Olefins in Liquid Phase

SOV/152-59-3-16/25

homologue series; it is, however, higher than that of the saturated hydrocarbons. The iso-olefins are more easily oxidizable than their n-analogues. An unexplicable phenomenon remains the high octane number of all olefins as compared to their saturated analogues. It is most probable that the primary process of detonation is not oxidation, but a thermal destruction of the hydrocarbon molecules. As the olefins are more thermostable due to their double bond, in spite of their more easily achieved oxidizability, they have a lesser tendency towards destruction and consequently also towards detonation. There are 3 tables and 5 references, 3 of which are Soviet.

ASSOCIATION:

Leningradskiy gosudarstvennyy universitet im. A. A. Zhdanova

(Leningrad State University imeni A. A. Zhdanov)

SUBMITTED:

June 20, 1958

Card 2/2

GAVRILOV, B.G.; ROGOZINA, Ye.A.

Low-temperature exidation of alkyl benzenes. Izv.vys.ucheb.

xav.; neft' i gaz 2 no.11:95-97 '59. (MIRA 13:4)

1. Leningradskiy gosudarstvennyy universitet im. A.A.

Zhdanova. (Benzene)

GAVRILOV, B.G.; VOL'MOVA, I.S.

Investigation of the equilibrium of the radical displacement reaction in isopropylhenzene. Vest_LGU 14 no.4:107-111 '59.

(Cumene) (Radicals (Chamistry))

(Cumene) (Radicals (Chamistry))

CIA-RDP86-00513R000514420019-5

.1100

77-5 2077 (1-12-2-2-4) 77-5

AUTHORS:

Gavrilov, B. G., Andreyeva, L. P.

TITLE:

Thermal Conversions of Isomeric Xylenes Over Clays

PERIODICAL:

Zhurnal obshehey khimii, 1960. Vol 30, Mr (, Pr

593-190 (USSR)

TTRAIT:

This article deals with the study of therma-ratalytic conversions of isomeric xylenes over riays. The experiments were conducted over activated diay (gumbrin) at 300°C and 30 atm. The neating time was 10 hr. Amounts of the reaction products were determined by means of infrared absorption spectra in the 700-800 cm⁻¹ range. Toluene and mostlylene were determined by specific weight, boiling temperature, and refraction coefficient. Results of

the conversions are: for 0-xylene

Card 1/4

CIA-RDP86-00513R000514420019-5

Thermal Conversions of Isomeric Xylenes Over Clays

77:: 77 307/75-30-2-45/76

Table 1.
Key to Table 1: (1) fraction; (2) hydrocarbon; (3) yield, (in \$\mathscr{g}\$); (4) narrow fraction temperature (5) residue; (6) losses; (7) benzene; (6) toluene; (9) xylenes; (10) mesitylene.

a)	(2)	(3)	(4)	d.m	n _g le v vv anes.
79— 80° 107—110 130—150 163—164 (5)	(7) (3) (9) (10) —	0.25 16.5 37.8 8.45 1.45 5.55	79.4° 108.4—109 135—145 163.6—163.9	0.8657 0.8663 —	1.5002 1.4959 1.5040

Card 2/5

CIA-RDP86-00513R000514420019-5

Thermal Conversions of Isomeric Xylenes Over Clays

77997 307/79-30-2-48**/7**8

for m-xylene Table 2.

Key to Table 2: (1) fraction; (2) hydrocarbon; (3) yield, (in %); (4) harrow fraction temperature; (5) residue; (6) losses; (7) benzene; (8) toluene; (9) xylenes; (10) menitylene.

(1)	(.?)	(3)	(4)	120	31 np
79-80°	(7) (3) (9) ((0)	0.2 12.9 71.2 9.90 0.2 5.6	79.29 108.5 109 135.5 145 164.5 165.6 	0.8650 0.8637 	1.5000 1.1955

Card 3/5

CIA-RDP86-00513R000514420019-5

Thermal Conversions of Isomeric Xylenes Over Clay

77*09*7 307/75-30-2-40/78

for p-xylene

Table 3.

Key to Table 3: (1) fraction; (2) hydrocarbon; (3) yield, (in %); (4) narrow fraction temperature; (5) residue; (6) losses; (7) benzene; (6) toluene; (9) xylenes; (10) mesitylene; (11) durene.

(1)	(2)	(3)	(4)	$d_1^{n_1}$	n_D^{2n}
79—80° 10—112 30—150 62—164 88—191 (5) (b)	(7) (3) (9) (10) (11)	0,2 14.5 61,3 13.0 3.1 0,3 7.6	70,7° 110,5~111 1.65~114 163.5~163,8 189.5~190	0.8673	1.5000 1.3055 1.5030

Card 4/5

Thermal Conversions of Isomeric Xylenes Over Clays 77897 **SOV**/79-30-2-48/78

Because of ease of the conversion and simplicity of product separation, this method can be used to obtain toluene, isomeric xylenes and polymethyl benzenes. The above conversions also apply to hydrocarbons with more complex radicals (up to amyl), since the reaction occurs because of splitting-off and migration of a paraffin radical. There are 3 tables; 3 figures; and 11 references, 8 Soviet, 2 U.S., 1 U.K. The 3 U.S. and U.K. references are: L. R. Herndon, E. E. Reid, J. Am. Chem. Soc., 50, 3066 (1928); C. C. Cannon, G. B. B. M. Sutherland, Spectroch. Acta, 4, 373 (1951); C. W. Young, R. B. Du Vall, N. Wright, Analyt. Chem., 23, 5 (1951).

ASSOCIATION:

Leningrad State University (Leningradskiy gosudar-

stvennyy universitet)

SUBMITTED:

February 26, 1959

Card 5/5

5.3300

77653 sov/80-33-2-28/52

AUTHORS:

Gavrilov, B. G., Gulin, Ye. I., Lesnikov, A. P., Tarasov,

A - K.

TITLE:

Preignition Conversion of Methane Hydrocarbons in

Internal Combustion Engines

PERIODICAL:

Zhurnal prikladnoy khimii, 1960, Vol 33, Nr 2, pp 421-424 (USSR)

ABSTRACT:

The preignition conversion of paraffins (n-hexane, n-heptane, n-octane, 2,3-dimethylpentane, 2,2,3trimethylbutane, and 2,2,4-trimethylpentane) were investigated in a one-cylinder Waukesha engine with

adjustable compression ratio. The engine was heated up

by running normally on B-70 gasoline; the ignition

and the gasoline supply was then cut off and the flywheel turned by an electric motor until a predetermined upper temperature was reached. The supply of the investigated hydrocarbon was then turned on, the gaseous mixture of the hydrocarbons with air was aspired into the cylinder,

Card 1/3